



Glenn Research Center



Experiment Process Model

Experiment Operating Conditions

- Physical considerations
- Initial Thermodynamic State
- Initial Fluid Dynamic State
- Test matrix

Experimental Measurements

- Evolution of Combustion Region
- Evolution of Thermo-dynamic State
- Evolution of Fluid Dynamics

Theoretical/Predictive Modeling

- Hypothesis
- Model
- Validation

Data Management

- Data acquisition
- Data storage
- Data processing & manipulation

